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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/020,439	12/18/2001	Chui-Kuei Chiu	4425-231	1678

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EXAMINER

TEACHEY, ROBERT

ART UNIT

PAPER NUMBER

2626

DATE MAILED: 12/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/020,439

Applicant(s)

CHIU, CHUI-KUEI

Examiner

Robert Teachey

Art Unit

2626

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 December 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Notice to Applicant(s)

1. This application has been examined. Claims 1–12 are pending.

Claim Objections

2. Claims 1 and 7 are objected to because of the following informalities:

In lines 9-10 of claim 1 and lines 17-18 of claim 7, “reading image information from a calibration plate having a plurality of pixels ” it is not clear whether “image information” , “a calibration plate”, or both “image information” and “a calibration plate” have “a plurality of pixels”.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Selby (U.S. Patent 5,404,232).

With respect to claim 1, Selby discloses a calibration method of an image scanning system having an image reading device for reading image information, said image reading device having at least a linear sensor consisting of a plurality of photo-sensing elements (column 3 lines 6-10), said calibration method comprising: reading image information from a calibration plate having a plurality of pixels at least in a row (column 4 lines 5-8), wherein a sensing value of each said photo-sensing element of said image reading device corresponds to one of said pixels (column 4 lines 24-28); determining a base value in accordance with said sensing values of said calibration plate (column 4 lines 34-35); computing respective differences between said adjacent sensing values (column 6 lines 36-39); storing said base value and said respective differences (column 3 line 52; column 6 lines 51-52); and calibrating image information of an object captured by said image scanning system, wherein said base value is added

to a first sensing value of the image information of said object and each sequential sensing value of the image information of said object is added by one of said respective differences corresponding thereto (column 5 lines 7-19, 60).

With respect to claims 2 and 8, Selby discloses said base value is a minimum value among said sensing values of said calibration plate (column 5 lines 2-4, 11-13).

With respect to claims 3 and 9, Selby discloses said base value is a medium value of said sensing values of said calibration plate (column 5 lines 50-53, 60-63).

With respect to claim 4, Selby discloses storage bits of one of said respective differences is determined depending on a distribution range of said respective differences (column 6 lines 6-9).

With respect to claims 5 and 11, Selby discloses the calibration of the image information of said object is executed by means of an additive circuit and a compensating/computing circuit (column 3 lines 51-52, 60-68).

With respect to claims 6 and 12, Selby discloses said calibration plate is either of white calibration plate and black calibration plate (column 4 line 5).

With respect to claim 7, Selby discloses a calibration method of an image scanning system having an image reading device for reading image information, said image reading device having at least a linear sensor consisting of a plurality of photo-sensing elements (column 3 lines 6-10), said calibration method comprising: reading image information from a calibration plate having a plurality of pixels at least in a row (column 4 lines 5-8), wherein a sensing value of each said photo-sensing element of said image reading device corresponds to one of said pixels (column 4 lines 24-28); determining a base value in accordance with said sensing values of said calibration plate (column 4 lines 34-35); computing a difference between said base value and each of said sensing values of said calibration plate (column 4 lines 34-35; column 6 lines 45-49); storing said base value and said respective differences (column 3 line 52; column 6 lines 51-52); and calibrating image information of an object captured by said image scanning system, wherein said base value is added to a first sensing value of the image information of said object and each sequential sensing value of the image information of said object is added by one of said respective differences corresponding thereto (column 5 lines 7-19, 60).

With respect to claim 10, Selby discloses storage bits of one of said differences is determined depending on a distribution range of said differences (column 6 lines 6-9).

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert Teachey whose telephone number is 571-272-2906. The examiner can normally be reached Monday through Friday from 8:30 A.M. to 5:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly Williams can be reached on 571-272-7471. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

RT

Robert Teachey

KAWilliams

KIMBERLY WILLIAMS
SUPERVISORY PATENT EXAMINER